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DATE MAILED: 06/25/2004

APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/932,216	1	08/17/2001	Wenhua Yang	2550/111	4914	
2101	7590	06/25/2004		EXAMINER		
		NSTEIN LLP	CUNNINGHAM, TERRY D			
125 SUMM BOSTON, 1				ART UNIT	PAPER NUMBER	
ŕ				2816		

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)				
	-	09/932,216	YANG, WENHUA				
	Office Action Summary	Examiner	Art Unit				
		Terry D. Cunningham	2816				
Period fo	The MAILING DATE of this communic or Reply	ation appears on the cover sheet wit	h the correspondence address	••			
A SH THE - Exte after - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD FO MAILING DATE OF THIS COMMUNIC nsions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this communic period for reply specified above is less than thirty (30) to period for reply is specified above, the maximum stature to reply within the set or extended period for reply witreply received by the Office later than three months after the part of the provided par	ATION. 37 CFR 1.136(a). In no event, however, may a re nication. days, a reply within the statutory minimum of thirty tory period will apply and will expire SIX (6) MONIII, by statute, cause the application to become ABA	oply be timely filed (30) days will be considered timely. (HS from the mailing date of this communic ANDONED (35 U.S.C. § 133).	cation.			
Status							
1)	Responsive to communication(s) filed	on .					
2a)□	•)⊠ This action is non-final.					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
5)□ 6)⊠ 7)⊠	Claim(s) <u>1-28</u> is/are pending in the ap 4a) Of the above claim(s) <u>21-28</u> is/are Claim(s) is/are allowed. Claim(s) <u>1-20</u> is/are rejected. Claim(s) <u>4 and 5</u> is/are objected to. Claim(s) are subject to restriction	withdrawn from consideration.					
Applicati	ion Papers						
10)⊠	The specification is objected to by the The drawing(s) filed on <u>04 October 200</u> Applicant may not request that any objecti Replacement drawing sheet(s) including the oath or declaration is objected to be	01 is/are: a) \square accepted or b) \square obtain to the drawing(s) be held in abeyand the correction is required if the drawing(s)	ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.12	. ,			
Priority ι	under 35 U.S.C. § 119						
12)□ a)ĺ	Acknowledgment is made of a claim fo All b) Some * c) None of: 1. Certified copies of the priority do 2. Certified copies of the priority do	ocuments have been received. ocuments have been received in Ap the priority documents have been in al Bureau (PCT Rule 17.2(a)).	oplication No received in this National Stage				
2) D Notic 3) D Inforr	t(s) se of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTC) mation Disclosure Statement(s) (PTO-1449 or PT r No(s)/Mail Date <u>08/17/01</u> .)-948) Paper No(s)	ummary (PTO-413))/Mail Date formal Patent Application (PTO-152) `				

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DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-20, drawn to multi-stage circuit, classified in class 327, subclass 333.
- II. Claims 21-23, drawn to a bootstrap circuit, classified in class 327, subclass 390.
- III. Claims 24-28, drawn to buffer circuit, classified in class 327, subclass 112.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the combination does not require, for example, "a set of input switches". The subcombination has separate utility such as programming of memory.

Inventions I and III are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the combination does not require, for example, "a set of input switches". The subcombination has separate utility such as clock buffering.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, their different required search Art Unit: 2816

and their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

During a telephone conversation with Steven Saunders on 21 June 2004 a provisional election was made without traverse to prosecute the invention of Group I, claims 1-20.

Affirmation of this election must be made by applicant in replying to this Office action. Claims 21-28 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

Claim Rejections - 35 USC § 112

Claims 2, 10 and 18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claims 2, 10 and 18, it is not understood how "switches" can have "phase and duty cycles". Clearly, "phase" and "duty cycle" are aspects of signals, not of switches.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3 and 6-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Pernyeszi (USPN 4,170, 740). Pernyeszi discloses, in Fig. 1, a circuit comprising: "a first stage (connected to 52)" having "an input switch (48)"; "a second stage (connected 54)" having "an output switch (50)"; and "a bootstrap module (rest of the circuit)", all connected and operating similarly as recited by Applicant.

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Claims 4 and 5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim

and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Terry Cunningham whose telephone number is 571-272-1742.

The examiner can normally be reached on Monday-Thursday from 7:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Timothy P. Callahan can be reached on 571-272-1740. The fax phone number for

the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TC

June 23, 2004

Primary Examiner

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